IN THE CLAIMS:

Please cancel Claims 1 to 12 without prejudice to Applicants' right to present these claims in a later-filed division. Please amend Claims 13 to 19 and 21 to 23, as shown below. The claims, as pending in the subject application, read as follows.

1 to 12. (Cancelled)

13. (Currently Amended) A method for manufacturing BaTiO₃ - PbTiO₃ series single crystal comprising the following step steps of:

single-crystallizing providing a BaTiO₃ - PbTiO₃ compact powder member or sintered member substance having a smaller Pb-containing mol Pb content mole number than Ba-containing mol Ba content mole number by defining the range of the mol molar ratio of elements contained therein to be 0.9800 < (Ba + Pb) / Ti < 1.0000; and by

heating <u>said compact powder or sintered substance</u>, while keeping said <u>compact</u> powder or <u>member sintered substance</u> in non-molten condition.

- 14. (Currently Amended) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 13, wherein the range of the molar ratio of elements contained in said compact powder member or sintered member to be substance is 0.9900 < (Ba + Pb) / Ti < 0.9999.
- 15. (Currently Amended) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 14, wherein the range of the mol molar ratio of elements contained in said compact powder member or sintered member to be substance is $0.9950 \le (Ba + Pb) / Ti \le 1.0000$.
- 16. (Currently Amended) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 13, wherein the ratio of PbTiO₃ content in said compact powder

member or said sintered member substance is 45 mol % or less.

- 17. (Currently Amended) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 16, wherein the ratio of PbTiO₃ content in said compact powder member or said sintered member substance is 30 mol % or less.
- 18. (Currently Amended) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 17, wherein the ratio of PbTiO₃ content in said compact powder member or said sintered member substance is 25 mol % or less.
- 19. (Currently Amended) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 13, comprising the following step of:

single-crystallizing by heating said compact powder member or sintered member substance within a temperature range of 1,200°C or more and 1,400°C or less.

- 20. (Original) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 13, wherein a compound containing lead is inserted into a furnace during the single crystal growing process to generate steam containing Pb for the growth of BaTiO₃ PbTiO₃ series single crystal.
- 21. (Currently Amended) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 13 Claim 20, comprising the following step of:

single-crystallizing by heating, while keeping said compact powder member or sintered member substance in the lead atmosphere and in non-molten condition.

22. (Currently Amended) A method for manufacturing BaTiO₃ - PbTiO₃ series single crystal according to Claim 13, comprising the following steps of:

preparing BaTiO₃ series single crystal or BaTiO₃ - PbTiO₃ series single crystal as

seed crystal;

coupling BaTiO₃ - PbTiO₃ series sintered member composed of crystal grain of average granular diameter of 20 µm or less, having the relative density of 95% or more, with the {100} plane, {110} plane, or {111} plane of said seed crystal; and

single-crystallizing by heating, while keeping said coupled substance in non-molten condition.

- 23. (Currently Amended) A method for manufacturing $BaTiO_3$ $PbTiO_3$ series single crystal according to Claim 20, wherein the mol molar ratio of elements contained in said $BaTiO_3$ $PbTiO_3$ series sintered member substance is within a range of $0.9950 \le (Ba + Pb) / Ti \le 0.9999$.
- 24. (Original) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 22, wherein a compound containing lead is inserted into a furnace during the single crystal growing process to generate steam containing Pb for the growth of BaTiO₃ PbTiO₃ series single crystal.